

CURRICULUM VITAE

George E Ginther Jr
Fermilab M.S. 352
P.O. Box 500
Batavia, Illinois 60510

Phone Number 630-840-6337
Numeric Pager 630-218-3217
EMAIL ginther@fnal.gov

PROFESSIONAL EXPERIENCE

September 1988 to Present

- Senior Research Associate with the University of Rochester, based at Fermilab.
- Currently co-head of silicon microstrip tracking detector upgrade for D0 Run IIb.
- Coordinated commissioning and operations of the Central Fiber Tracker and Preshower Detectors for D0 Run II from December 2001 through February 2003.
- Participated in D0 Run IIb Upgrade Trigger Task Force during the summer of 2001.
- Coordinated Visible Light Photon Counter cassette prototyping, production and installation for D0 Run II from fall 1997 through summer 2001.
- Responsible for production and commissioning of CMS test beam motion table used at CERN.
- Physicist-in-Charge for Fermilab fixed target direct photon experiment E706.
 - Participated in analysis of the accumulated E706 data.
 - Involved in analysis of the E672 high mass dimuon triggered data.
 - Coordinated and supervised the research effort of graduate students resident at Fermilab.
 - Responsible for coordination of day to day activities during the 1990 and 1991 data runs.
- Physicist-in-Charge for the GEM test beam program (E869) at Fermilab during 1993.
 - Planning and coordination of decommissioning of Meson West spectrometer.
 - Preliminary planning for test beam program installation and operation.

September 1985 to September 1988

- Research Associate with the University of Rochester, based at Fermilab.
 - Involved in the reconstruction and analysis of data from the first run of E706.
 - Coordinated activities during data acquisition phase of that first run.
 - Supervised E706 liquid argon calorimeter cooldown and cryogenic operations.
 - Supervised final installation of the liquid argon electromagnetic calorimeter.
 - Involved in the assembly of the liquid argon electromagnetic calorimeter.

EDUCATION

June 1979 through May 1985

- Ph.D. in experimental high energy physics based upon research performed in Fermilab E515 (a prompt muon triggered charmed particle search using a two arm spectrometer).
- Research Assistant with Carnegie-Mellon University, working at Fermilab.
- Active participant in installation and operation of MWPC charged particle tracking system.

September 1977 through May 1979

- M.S. Physics, Carnegie-Mellon University.
- Teaching Assistant in introductory undergraduate physics courses during study for M.S.
- Participated in data acquisition phase of E716 at Brookhaven National Laboratory.
 - E716 was a MPS experiment searching for evidence of baryonium.

September 1973 through May 1977

- B.S. Physics with University Honors, Carnegie-Mellon University.

PROFESSIONAL AFFILIATION

- Member of The American Physical Society since 1985.

SELECTED PUBLICATIONS

- P. Baringer *et al.*, “Cosmic-ray tests of the D0 preshower detector”, Nuclear Instruments & Methods in Physics Research A **469**, 295 (2001).
- B. Abbott *et al.*, “Isolated Photon Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV”, Physical Review Letters **84**, 2786 (2000).
- L. Apanasevich *et al.*, “Examination of direct-photon and pion production in proton nucleon collisions”, Physical Review D **63**, 014009 (2000).
- A. Gribushin *et al.*, “Production of J/ψ mesons in $p\text{Be}$ collisions at 530 and 800 GeV/ c ”, Physical Review D **62**, 012001 (2000).
- L. Apanasevich *et al.*, “ k_T effects in direct-photon production”, Physical Review D **59**, 074007 (1999).
- L. Apanasevich *et al.*, “Evidence for Parton k_T Effects in High p_T Particle Production”, Physical Review Letters **81**, 2642 (1998).
- L. Apanasevich *et al.*, “Calibration and performance of the E706 lead and liquid-argon electromagnetic calorimeter”, Nuclear Instruments and Methods in Physics Research A **417**, 50 (1998).
- G. Ginther *et al.*, “High P_T Production of Neutral Mesons and Direct Photons” in *Intersections Between Particle and Nuclear Physics, 6th Conference, Big Sky, Montana, May 1997*, edited by T. W. Donnelly (American Institute of Physics, Woodbury, NY, 1997) p. 632.
- L. Apanasevich *et al.*, “Production of charm mesons at high transverse momentum in 515 GeV/ c π^- -nucleon collisions”, Physical Review D **56**, 1391 (1997).
- V. Koreshev *et al.*, “Production of Charmonium States in π^- -Be Collisions at 515 GeV/ c ”, Physical Review Letters **77**, 4294 (1996).
- A. Gribushin *et al.*, “Production of J/ψ and $\psi(2S)$ mesons in π^- -Be collisions at 515 GeV/ c ”, Physical Review D **53**, 4723 (1996).
- R. Jesik *et al.*, “Bottom Production in π^- -Be Collisions at 515 GeV/ c ”, Physical Review Letters **74**, 495 (1995).
- G. Alverson *et al.*, “Structure of the recoiling system in direct-photon and π^0 production by π^- and p beams at 500 GeV/ c ”, Physical Review D **49**, 3106 (1994).
- G. Alverson *et al.*, “Production of direct photons and neutral mesons at large transverse momenta by π^- and p beams at 500 GeV/ c ”, Physical Review D **48**, 5 (1993).
- G. Alverson *et al.*, “Production of π^0 mesons at high p_T in π^- -Be and $p\text{Be}$ collisions at 500 GeV/ c ”, Physical Review D **45**, R3899 (1992).
- G. Alverson *et al.*, “Direct Photon Production at High p_T in π^- -Be and $p\text{Be}$ Collisions at 500 GeV/ c ”, Physical Review Letters **68**, 2584 (1992).
- M. Sarmiento *et al.*, “Inclusive neutral- D production in 205-GeV/ c π^- -Be interactions”, Physical Review D **45**, 2244 (1992).

C. Bromberg *et al.*, “Design and operation of large straw-tube drift chamber planes”, Nuclear Instruments and Methods in Physics Research **A307**, 292 (1991).

J. Urbin *et al.*, “Cryogenic Design and Operation of a Liquid Argon Photon/Hadron Calorimeter at Fermilab” in *Advances in Cryogenic Engineering, Proceedings of the 1989 Cryogenic Engineering Conference, July 24-28 1989, UCLA, California*, edited by R. W. Fast (Plenum Press, New York, 1990), Vol. 35, Part B, p. 1803.

G. Ginther *et al.*, “Preliminary Results From Fermilab Experiment E706 A Study of Direct Photon Production in Hadronic Interactions” in *New Results in Hadronic Interactions - Proceedings of the XXIVth Rencontres de Moriond, Les Arcs, France, March 12-18 1989*, edited by J. Trân Thanh Vân (Editions Frontières, France, 1989) p. 181.

P. Mooney *et al.*, “Inclusive charged- D^* production in 205-GeV/c π^- Be interactions”, Physical Review D **39**, 2494 (1989).

G. Ginther *et al.*, “Current Status of Fermilab E-706 A Direct Photon Study” in *New Data and Theoretical Trends - Proceedings of the XIXth International Symposium on Multiparticle Dynamics 1988, Arles, France, June 13-17 1988*, edited by D. Schiff and J. Trân Thanh Vân (Editions Frontières, France, 1988) p. 217.

G. Ginther *et al.*, “Search for charmed mesons produced in hadronic interactions”, Physical Review D **35**, 1541 (1987).

R. M. Edelstein *et al.*, “Production of Leptons in Coincidence with Prompt Muons”, Physical Review Letters **53**, 1411 (1984).